COATING TYPE ORGANIC EL ELEMENT

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- European:

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Abstract of **JP4002096**

PURPOSE:To provide an organic EL element having good light emission efficiency and high brightness easily and cheaply by applying a solution in which organic layer forming component is dissolved or dispersed in a solvent, drying the coating, and thereby forming an organic layer or layers between a pos. electrode and a neg. electrode. CONSTITUTION:An organic EL element has two or more organic layers between a pos. electrode and a neg. electrode, wherein at least one of the layers consists in light emitting layer containing fluorescent substance. Each organic layer is formed by applying the solution, in which organic layer forming component is dissolved or dispersed in a solvent, followed by drying process, and thereby a high light emission efficiency and brightness are obtained. This owes to a variation during the applying and drying processes such that functional layers consisting of organic layer such as a pos. hole implantation layer, pos. hole transport layer, light emitting layer, pos. hole checking layer, electron implantation layer are varied into a higher order structure along with variation of the inter-layer bond state to more favorable condition. Thereby an organic EL element having good light emission efficiency and high brightness can be manufactured easily and cheaply.

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